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| W | AQ | | oduction Logistics," | Klosterberg, "Comb Proceedings of Arti | | | | | |
| W | AR | | onvik, Asbjoern M, "Performance Analysis of Manufacturing Systems Under Hybrid Control Policies," octoral Thesis Proposal, September 22, 1995, pp. 1-15 | | | | | | |
| W | AS | | n M, "Performance A Proposal, October 3 | Analysis of Manufac , 1995, pp. 1-15 | turing Systems | Under Hybrid (| Control Poli | cies," | |
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| W | AQ | | d S. Goldsmith, "Em Workshop on Agent-l | | | | Systems," | |
| EUF | AR | Juba, Robert C., Undated. | Paul N. Keller, Alto | n F. Verity, "Produc | tion Improvem | ents Using a Fo | orward Scheo | duler, |
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| EF | AS | | Integrated Manufact | ation Mechanisms for turing Scheduling," <i>IE</i> | | | | ment, |
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| ESF | AQ | | Volume 9, 1998, pp | ic Scheduling Holon f p. 107-112 | for Manufactur | ing Orders," Jo | urnai oj inte | elliger |
| EUF EUF | AR | | | 1. Matheson, "Archite ntegrated Manufactur | | | | |
| W | AS | | | nt Modelling Method 9, 1998, pp. 129-140 | | Scheduling," <i>Jo</i> | urnal of | |
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| WF | AQ | Wellman, M.P., W.E. Walsh, P.R. Wurman, J.K. MacKie-Mason, "Auction Protocols for Decentralized Scheduling," http://www-personal.engin.umich.edu/~wew/Papers/mb-scheduling-extended.ps.Z, University of Michigan, Ann Arbor, 1998 | | | | | | | |
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